

**SIMONDS
ABRASIVE**

REVISED
EDITION
1969

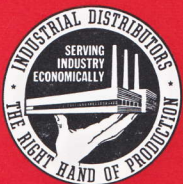
GRINDING WHEELS

SHELF-STOCK CATALOG

Containing popular items most commonly used.

Available through

YOUR SIMONDS DISTRIBUTOR



SUPERIOR SERVICE THROUGH LOCAL DISTRIBUTORS—TECHNICAL KNOWHOW, FAST DELIVERY

B & J INDUSTRIAL SUPPLY CO.

5601 FIRST AVE. SOUTH SEATTLE, WASH. 98108

RO 2-4430

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DATA PROCESSING

Special Note: A complete deck of Punched Cards of all items in this catalog is available on request. For easiest and quickest ordering—simply select the cards for the items you want, and send to us. They will be returned for future use.

Shelf-Stock Catalog

Containing Popular Items Most Commonly Used

This catalog contains popular items of Simonds Abrasive grinding wheels in common use throughout industry, and will enable Industrial Distributors to select fast moving, good turnover items for their local stock. Also, it has been designed to be of greatest help to Distributors' Salesmen.

Each item shown has been included because of demand based on past experience, and is maintained in stock in large quantities at our factory and branch warehouses. Ordering from this catalog will assure quick delivery from stock!

HOLES

Hole sizes shown are those most frequently used for the diameters and thicknesses listed. In addition, many items are shown with $1\frac{1}{4}$ " holes and may be rebushed to smaller holes with Simonds Red Center bushings or Cut-off Reducing Bushings.

This is a distinct advantage to Distributors stocking Simonds grinding wheels, as it permits larger quantities (at less cost) of fewer items to service a broad range of hole size requirements.

RED CENTER REDUCING BUSHINGS



A new idea . . . and a new convenience for rebushing grinding wheel holes to smaller size without affecting concentricity or balance.

Red Center reducing bushings are a special design, precision engineered plastic reducing bushing manually inserted in-

to a regular bushed grinding wheel with $1\frac{1}{4}$ " hole to reduce it to 1", $\frac{5}{16}$ ", $\frac{7}{8}$ ", $\frac{3}{4}$ ", $\frac{5}{8}$ " or $\frac{1}{2}$ " hole. They are removable.

How to Order: Free for each wheel with $1\frac{1}{4}$ " hole if ordered same time as wheels. Order by number of pieces, specified by O.D. and I.D. Two required for wheels $\frac{1}{2}$ " thick and thicker; one required for wheels $\frac{1}{4}$ " to less than $\frac{1}{2}$ " thick. Extras at nominal cost.

Example: On order for 50 wheels 6" x $\frac{1}{2}$ " x $1\frac{1}{4}$ " A46-M-V8, order 100 Red Center Reducing Bushings $1\frac{1}{4}$ " x $\frac{1}{2}$ ". Also, sizes may be assorted, for example: 20 each Red Center Reducing Bushings $1\frac{1}{4}$ " x $\frac{1}{2}$ ", $1\frac{1}{4}$ " x $\frac{5}{8}$ ", $1\frac{1}{4}$ " x $\frac{3}{4}$ ", $1\frac{1}{4}$ " x $\frac{7}{8}$ ", $1\frac{1}{4}$ " x $\frac{5}{16}$ ", $1\frac{1}{4}$ " x 1".

PRE-PAKS

Many standard stock items of Simonds grinding wheels, including those with $1\frac{1}{4}$ " holes suitable for rebushing to smaller hole sizes with Red Center reducing bushings, are prepackaged and shipped in our PRE-PAK corrugated cartons as illustrated and as designated in the listings in this catalog.

The number of wheels in each PRE-PAK carton qualify for the "A" ordering quantity and multiple packages qualify for the larger ordering quantities.

Simonds PRE-PAKS are ideal for reshipment. They stack nicely with minimum space and are a neat, clean, easy-to-handle package.



CUT-OFF REDUCING BUSHINGS

For use in Simonds abrasive cut-off wheels 6" through 14" diameters by $\frac{3}{32}$ " and $\frac{1}{8}$ " thicknesses and containing a special $1\frac{1}{4}$ " metal bushed hole molded into the wheel. This hole is the receiving position that mates with the plastic reducing bushing when it is inserted. Reduces to 1", $\frac{7}{8}$ ", $\frac{3}{4}$ ", $\frac{5}{8}$ " and $\frac{1}{2}$ ". Furnished free if ordered with wheels.

Has same advantages as Red Center Reducing Bushings described above.

ORDERING QUANTITY

For convenience, the number of wheels required to qualify for the "A" ordering quantity bracket is shown for each item listed.

HOW TO ORDER

Once the item has been selected, the following information should be shown on your order:

Quantity

Dimensions—diameter, thickness and hole size. Include additional dimensions and B/P number as indicated in the listings for other than Type 1 Straight Wheels.

Grain and Grade markings.

Example: 50 only 6" x 1" x $1\frac{1}{4}$ " A46-M-V8

(Note example above if Red Center reducing bushings are desired)

OTHER ITEMS

In addition to the items in this catalog, Simonds Abrasive furnishes many other items of grinding wheels, other bonded abrasive products and abrasive grains. Many of these are available from stock and are listed in our Stock List and Consumer Net Prices, while others require manufacture. Delivery schedules and prices will be quoted upon request.

SIMONDS ABRASIVE

GENERAL PURPOSE GRINDING WHEELS

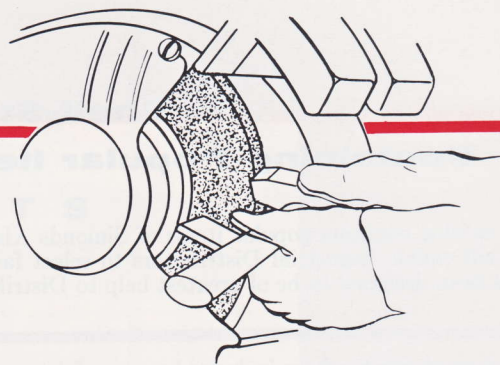
TYPE 1—STRAIGHT WHEELS

for fast cutting and long life on single and double end bench, pedestal and floor stand grinders.

Precision made of Borolon (aluminum oxide) abrasive of Simonds' own manufacture. Vitrified bonded to withstand recommended operating speeds up to 6,500 surface feet per minute with safety.

Some bench grinders using 7" and 8" diameter wheels operate at 3,600 r.p.m. which is faster than 6,500 surface feet per minute. Simonds vitrified bonded wheels for these grinders are specially tested for such use and are marked to operate up to 3,600 r.p.m.

General purpose wheels are used for a wide range of miscellaneous offhand grinding jobs; usually on double-end grinders, coarse wheel on the left side, medium or fine on the right side. Also available extra coarse and extra fine. If user does not specify preference, supply medium grit wheel.



Type 1 Straight Wheel

SHELF-STOCK ITEMS

DIA.	THICK.	HOLE	GRAIN AND GRADE MARKING	GRIT SIZE	"A" ORDERING QUANTITY	DIA.	THICK.	HOLE	GRAIN AND GRADE MARKING	GRIT SIZE	"A" ORDERING QUANTITY
4"	1/2"	1/2"	A46-M-V8	medium grit	20	6"	3/4"	1 1/4"*	A46-M-V8	medium grit	10
4"	1/2"	1/2"	A60-M-V8	fine grit	20	6"	3/4"	1 1/4"*	A60-M-V8	fine grit	10
4"	1/2"	1/2"	A80-M-V1	extra fine grit	20	6"	3/4"	1 1/4"*	A80-M-V1	extra fine grit	10
6"	1/2"	1 1/4"*	A36-O-V1	coarse grit	10	*1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16", 7/8", 3/4", 5/8" or 1/2" hole as specified. Furnished in PRE-PAK carton containing 10 wheels.					
6"	1/2"	1 1/4"*	A46-M-V8	medium grit	10	6"	1"	1 1/4"*	A24-R5-V1	extra coarse grit	10
6"	1/2"	1 1/4"*	A60-M-V8	fine grit	10	6"	1"	1 1/4"*	A36-O-V1	coarse grit	10
6"	1/2"	1 1/4"*	A80-M-V1	extra fine grit	10	6"	1"	1 1/4"*	A46-M-V8	medium grit	10
1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16", 7/8", 3/4", 5/8" or 1/2" hole as specified. Furnished in PRE-PAK carton containing 10 wheels.						6"	1"	1 1/4"	A60-M-V8	fine grit	10
6"	3/4"	1 1/4"*	A24-R5-V1	extra coarse grit	10	6"	1"	1 1/4"*	A80-M-V1	extra fine grit	10
6"	3/4"	1 1/4"*	A36-O-V1	coarse grit	10	*1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16", 7/8", 3/4", 5/8" or 1/2" hole as specified. Furnished in PRE-PAK carton containing 10 wheels.					

Most Popular Items Shown in Heavy Type. See Stock List and Consumer Net Prices for additional items

SIMONDS ABRASIVE

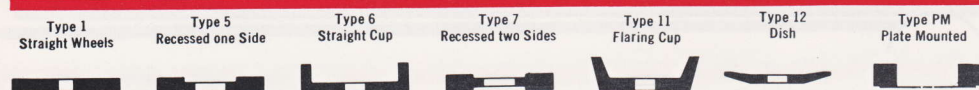
GENERAL PURPOSE GRINDING WHEELS

DIA. THICK. HOLE	GRAIN AND GRADE MARKING	GRIT SIZE	"A" ORDERING QUANTITY	DIA. THICK. HOLE	GRAIN AND GRADE MARKING	GRIT SIZE	"A" ORDERING QUANTITY
7" 1" 1 1/4"*	A36-O-V1	coarse grit	10	12" 3/4" 1 1/4"*	A46-M-V8	medium grit	5
7" 1" 1 1/4"*	A46-M-V8	medium grit	10	*1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16" or 3/4" hole as specified.			
7" 1" 1 1/4"*	A60-M-V8	fine grit	10				
*1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16", 7/8", 3/4", 5/8" or 1/2" hole as specified. Furnished in PRE-PAK carton containing 10 wheels.							
8" 1" 1 1/4"*	A24-R5-V1	extra coarse grit	10	12" 7/8" 1 1/4"*	A46-M-V8	medium grit	5
8" 1" 1 1/4"*	A36-O-V1	coarse grit	10	*1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16" or 3/4" hole as specified.			
8" 1" 1 1/4"*	A46-M-V8	medium grit	10				
8" 1" 1 1/4"*	A60-M-V8	fine grit	10	12" 1" 1 1/4"*	A46-M-V8	medium grit	5
*1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16", 7/8", 3/4" or 5/8" hole as specified. Furnished in PRE-PAK carton containing 10 wheels.				*1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16" or 3/4" hole as specified.			
10" 1 1/2" 1 1/4"*	A46-M-V8	medium grit	8				
*1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16" or 3/4" hole as specified.							
10" 3/4" 1 1/4"*	A46-M-V8	medium grit	5	12" 1 1/2" 1 1/4"*	A24-R5-V1	coarse grit	4
1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16" or 3/4" hole as specified.				12" 1 1/2" 1 1/4"	A36-O-V1	medium grit	4
				12" 1 1/2" 1 1/4"*	A46-M-V8	fine grit	4
10" 1" 1 1/4"*	A30-O-V1	coarse grit	5	12" 1 1/2" 1 1/4"*	A60-M-V8	extra fine grit	4
10" 1" 1 1/4"*	A36-M-V8	medium grit	5	*1 1/4" hole takes RED CENTER reducing bushings for 1" or 5/16" hole as specified.			
10" 1" 1 1/4"*	A36-O-V1	medium grit	5				
10" 1" 1 1/4"*	A46-M-V8	fine grit	5	12" 2" 1 1/4"*	A24-R5-V1	coarse grit	4
10" 1" 1 1/4"*	A60-M-V8	extra fine grit	5	12" 2" 1 1/4"*	A36-O-V1	medium grit	4
1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16" or 3/4" hole as specified. Furnished in PRE-PAK carton containing 5 wheels.				12" 2" 1 1/4"	A46-M-V8	fine grit	4
				12" 2" 1 1/4"*	A60-M-V8	extra fine grit	4
10" 1 1/4" 1 1/4"*	A36-O-V1	coarse grit	4	*1 1/4" hole takes RED CENTER reducing bushings for 1" or 5/16" hole as specified.			
10" 1 1/4" 1 1/4"*	A46-M-V8	medium grit	4				
10" 1 1/4" 1 1/4"*	A60-M-V8	fine grit	4	14" 2" 1 1/4"*	A24-R5-V1	coarse grit	3
1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16" or 3/4" hole as specified.				14" 2" 1 1/2"	A24-R5-V1	coarse grit	3
10" 1 1/2" 1 1/4"*	A24-R5-V1	coarse grit	4	14" 2" 1 1/4"*	A36-O-V1	medium grit	3
10" 1 1/2" 1 1/4"*	A36-O-V1	medium grit	4	14" 2" 1 1/2"*	A36-O-V1	medium grit	3
10" 1 1/2" 1 1/4"*	A46-M-V8	fine grit	4	14" 2" 1 1/4"*	A46-M-V8	fine grit	3
10" 1 1/2" 1 1/4"*	A60-M-V8	extra fine grit	4	14" 2" 1 1/2"*	A46-M-V8	fine grit	3
1 1/4" hole takes RED CENTER reducing bushings for 1", 5/16" or 3/4" hole as specified.				14" 2" 1 1/4"	A60-M-V8	extra fine grit	3
				*1 1/4" hole takes RED CENTER reducing bushings for 1" or 5/16" hole as specified.			

Most Popular Items Shown in Heavy Type. See Stock List and Consumer Net Prices for additional items

SIMONDS ABRASIVE

TOOLROOM GRINDING WHEELS



Popular items for tool & cutter sharpening and for surface grinding. Made of friable aluminum oxide abrasive in RA Borolon V8 Bond (Simonds RUBY wheel) for the hardest steels and alloys. Also SA Borolon (pearl gray) or WA Borolon (white) as shown in the wheel marking RA, SA or WA.

USE CODE: Letters below indicate use for each item.

A—For surface grinding alloy tool steels, die steels, hardened steels, high speed steels, high carbon high chrome steels, stainless steels and Stellite.

B—For surface grinding low carbon and soft steels. Also, for sharpening high speed steel milling cutters.

C—For finer finish. Also, for form grinding.

D—For sharpening high speed steel milling cutters and for sharpening, backing-off and fluting reamers.

E—For finer finish for sharpening high speed steel milling cutters and reamers. Also, for sharpening hobs and broaches.

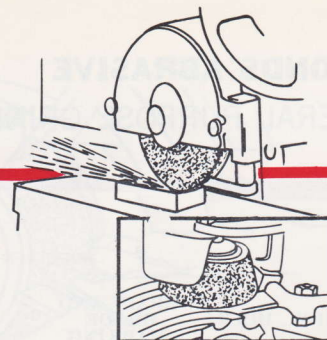
F—For Sellers #1G Drill Grinder.

G—For roughing on Sellers #6G Drill Grinder.

H—For finishing on Sellers #6G Drill Grinder.

I—For Oliver #510 Drill Pointer.

J—For Barber-Colman Hob Grinder.

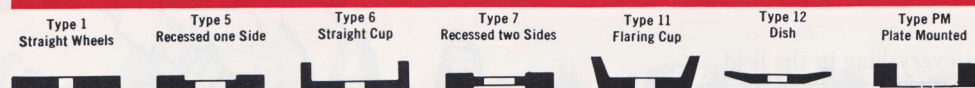


SHELF-STOCK ITEMS

WHEEL SIZE	GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY	USE CODE	WHEEL SIZE	GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY	USE CODE
3" \times 2 1/4" \times 1 1/4" \times 1/2"	SA46-J6-V8	20	D	6" \times 1/2" \times 5/16" \times 1 1/4"*	#RA46-J6-V8	10	D
1/4" Rim, 3/8" Back	SA60-J6-V8	20	E	Type 12, Dish B/P 2005	#SA46-J6-V8	10	D
Type 11, Flaring Cup B/P 2009					#RA60-J6-V8	10	E
3 1/2" \times 2 3/4" \times 1 1/2" \times 1 1/4"*	RA46-J6-V8	10	D		WA60-J6-V8	10	E
1/4" Rim, 3/8" Back					SA60-J6-V8	10	E
Type 11, Flaring Cup B/P 1958							
3 1/2" \times 2 3/4" \times 1 1/2" \times 1 1/4"*	WA60-K6-V8	10	D	6" \times 3/4" \times 3/8" \times 1 1/4"*	#RA46-J6-V8	10	D
1/4" Rim, 3/8" Back				Type 12, Dish B/P 2006	SA46-J6-V8	10	D
Type 11, Flaring Cup B/P 1958					#RA60-J6-V8	10	E
3 1/2" \times 2 3/4" \times 1 1/2" \times 1 1/4"*	SA60-J6-V8	10	E				
1/4" Rim, 3/8" Back	RA60-J6-V8	10	E	7" \times 1/4" \times 1 1/4"*	RA60-J-V8	10	A
Type 11, Flaring Cup B/P 1958							
4" \times 3" \times 1 1/2" \times 1 1/4"*	#RA46-J6-V8	10	D	7" \times 1/2" \times 1 1/4"*	RA46-H-V8	10	A
1/4" Rim, 1/2" Back	#SA46-J6-V8	10	D	7" \times 1/2" \times 1 1/4"*	SA46-H-V8	10	A
Type 11, Flaring Cup	WA46-K6-V8	10	D	7" \times 1/2" \times 1 1/4"*	WA46-H-V8	10	A
B/P 2012	#RA60-J6-V8	10	E	7" \times 1/2" \times 1 1/4"*	SA46-I-V8	10	A
	SA60-J6-V8	10	E	7" \times 1/2" \times 1 1/4"*	WA46-I-V8	10	A
				7" \times 1/2" \times 1 1/4"*	RA46-J-V8	10	A
5" \times 1 1/2" \times 1 1/4"*	RA46-J6-V8	10	A	7" \times 1/2" \times 1 1/4"*	SA46-J-V8	10	B
3/8" Rim, 3/8" Back	SA46-J6-V8	10	D	7" \times 1/2" \times 1 1/4"*	WA46-J-V8	10	B
Type 6, Straight Cup	RA60-J6-V8	10	A	7" \times 1/2" \times 1 1/4"*	SA46-K-V8	10	B
	SA60-J6-V8	10	E	7" \times 1/2" \times 1 1/4"*	RA60-H-V8	10	C
				7" \times 1/2" \times 1 1/4"*	SA60-H-V8	10	C
5" \times 3 3/4" \times 1 3/4" \times 1 1/4"*	RA46-J6-V8	10	D	7" \times 1/2" \times 1 1/4"*	WA60-H-V8	10	C
1/4" Rim, 1/2" Back				7" \times 1/2" \times 1 1/4"*	RA60-J-V8	10	C
Type 11, Flaring Cup B/P 2021				7" \times 1/2" \times 1 1/4" B Face	RA60-J-V8	10	J
				7" \times 1/2" \times 1 1/4"*	SA60-J-V8	10	C
6" \times 1/2" \times 1 1/4"*	WA46-H-V8	10	A	7" \times 1/2" \times 1 1/4"*	WA60-J-V8	10	C
6" \times 1/2" \times 1 1/4"*	RA46-J-V8	10	A	7" \times 1/2" \times 1 1/4"*	RA80-J-V8	10	C
6" \times 1/2" \times 1 1/4"*	SA46-J-V8	10	B				
6" \times 1/2" \times 1 1/4"*	WA46-J-V8	10	B	8" \times 1/2" \times 1 1/4"*	SA46-H-V8	10	A
6" \times 1/2" \times 1 1/4"*	RA60-J-V8	10	A	8" \times 1/2" \times 1 1/4"*	RA46-J-V8	10	A
				8" \times 1/2" \times 1 1/4"*	SA46-K-V8	10	B

*1 1/4" hole takes RED CENTER reducing bushings for 3/8" or 1/2" hole as specified. #Furnished in PRE-PAK cartons containing 10 wheels.

SIMONDS ABRASIVE TOOLROOM GRINDING WHEELS



Popular items for tool & cutter sharpening and for surface grinding. Made of friable aluminum oxide abrasive in RA Borolon V8 Bond (Simonds RUBY wheel) for the hardest steels and alloys. Also SA Borolon (pearl gray) or WA Borolon (white) as shown in the wheel marking RA, SA or WA.

USE CODE: Letters below indicate use for each item.

A—For surface grinding alloy tool steels, die steels, hardened steels, high speed steels, high carbon high chrome steels, stainless steels and Stellite.

B—For surface grinding low carbon and soft steels. Also, for sharpening high speed steel milling cutters.

C—For finer finish. Also, for form grinding.

D—For sharpening high speed steel milling cutters and for sharpening, backing-off and fluting reamers.

E—For finer finish for sharpening high speed steel milling cutters and reamers. Also, for sharpening hobs and broaches.

F—For Sellers #1G Drill Grinder.

G—For roughing on Sellers #6G Drill Grinder.

H—For finishing on Sellers #6G Drill Grinder.

I—For Oliver #510 Drill Pointer.

J—For Barber-Colman Hob Grinder.

SHELF-STOCK ITEMS

WHEEL SIZE	GRAIN AND GRADE MARKING	ORDERING QUANTITY	USE CODE	WHEEL SIZE	GRAIN AND GRADE MARKING	ORDERING QUANTITY	USE CODE
8" × 1/2" × 1 1/4"*	RA60-J-V8	10	C	12" × 2" × 5"	SA46-H-V8	4	A
8" × 1/2" × 1 1/4"*	SA60-J-V8	10	C	Type 7, Recessed Two Sides 7 1/4" × 1/2"			
8" × 2" × 5 1/2"	NA46-K-V8	4	G	12" × 2" × 5"	SA46-J-V8	4	B
Type PM, Plate Mounted B/P 16436	NA100-I11-V8	4	H	Type 7, Recessed Two Sides 7 1/4" × 1/2"			
9" × 2" × 5"	WA46-L6-V8	4	I				
Type PM, Plate Mounted B/P 16430							
10" × 3/4" × 3"	WA46-H-V8	5	A				
10" × 3/4" × 3"	SA46-J-V8	5	B				
10" × 3/4" × 3"	RA46-J-V8	5	A				
10" × 3/4" × 3"	SA60-J-V8	5	C				
10" × 3/4" × 3"	RA60-J-V8	5	C				
10" × 1" × 3"	SA46-H-V8	5	A				
10" × 1" × 3"	SA46-J-V8	5	B				
10" × 1" × 3"	WA46-J-V8	5	B				
10" × 1" × 3"	RA46-J-V8	5	A				
10" × 1" × 3"	RA60-J-V8	5	C				
10" × 1" × 3"	SA60-J-V8	5	C				
12" × 3/4" × 3"	SA46-H-V8	5	A				
12" × 3/4" × 3"	RA46-J-V8	5	A				
12" × 1" × 3"	RA46-J-V8	5	A				
12" × 1" × 3"	WA46-J-V8	5	B				
12" × 1" × 3"	RA60-J-V8	5	C				
12" × 1" × 5"	RA46-J-V8	5	A				
12" × 1" × 5"	RA60-J-V8	5	C				
12" × 1 1/2" × 5"	SA46-H-V8	4	A				
Type 5, Recessed One Side 7 1/4" × 1/2"							

ABRASIVE SEGMENTS

Popular items for vertical spindle surface grinding.
USE CODE: Letters below indicate use for each item.

K—for general purpose grinding, annealed steel, boiler plate, etc., with low powered grinder (25 h.p. or less) and for fast stock removal.

L—as above, for longer life.

M—as above, but for job shops, where grinders are generally well-powered and a variety of work is done.

N—for grinding tool and die steels, hardened steels and cast iron on low-powered grinders and for fast stock removal.

O—as above, with longer life.

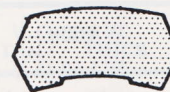
P—as above, in job shops and production where grinders are generally well-powered.



FMR-AA1



CORTLAND-CD



NORTON-NO



ITT Abrasive-STG

AA-1, 6" High,
Various pcs per set
B/P 2578

CD-18A, 6" High, 4 per set
B/P 2697

NO-18, 6" High, 8 per set
B/P 1913

SA30-G11-V8

A24-G11-V8
A24-H11-V8
A24-I11-V8
SA30-G11-V8
SA30-H11-V8
SA30-I11-V8

SA30-G11-V8
SA30-H11-V8
SA30-I11-V8

**USE
CODE**

N

**K
L
M
N
O
P**

**N
O
P**

*1 1/4" hole takes RED CENTER reducing bushings for 3/8" or 1/2" hole as specified. #Furnished in PRE-PAK cartons containing 10 wheels.

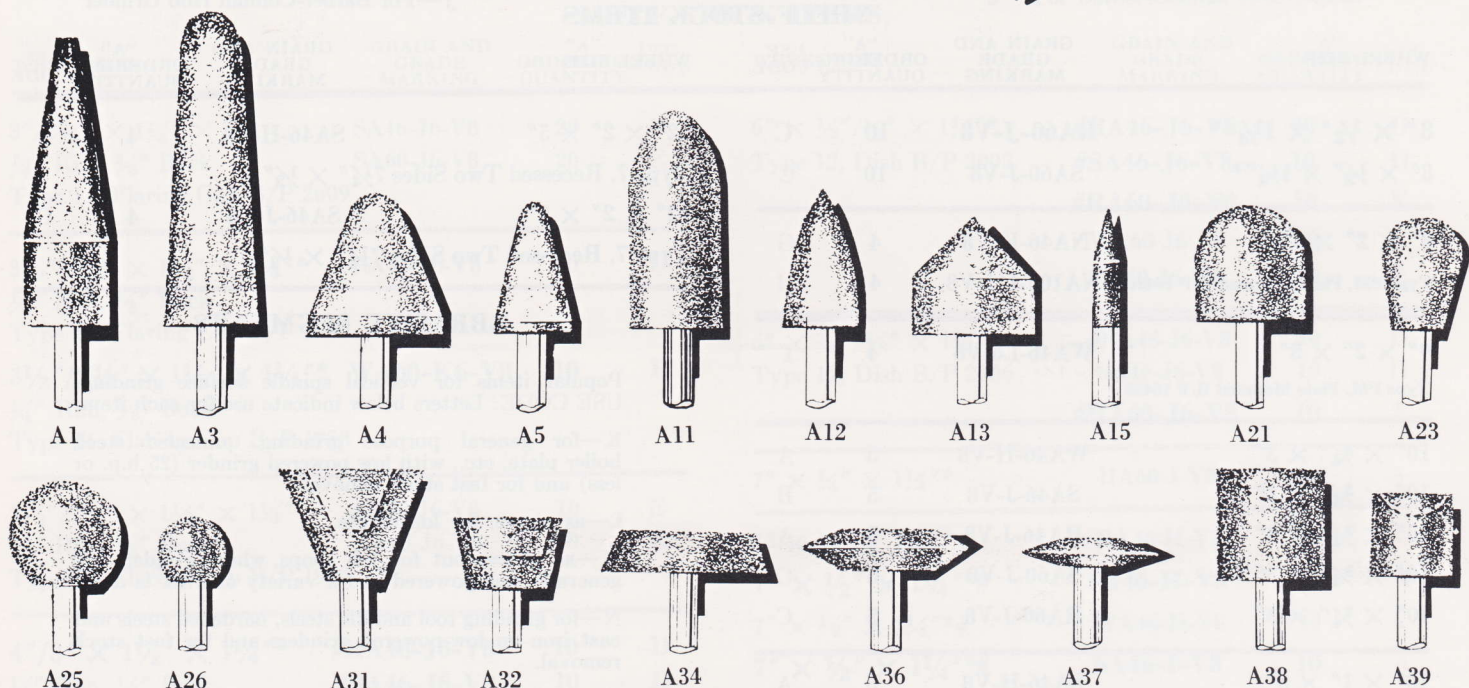
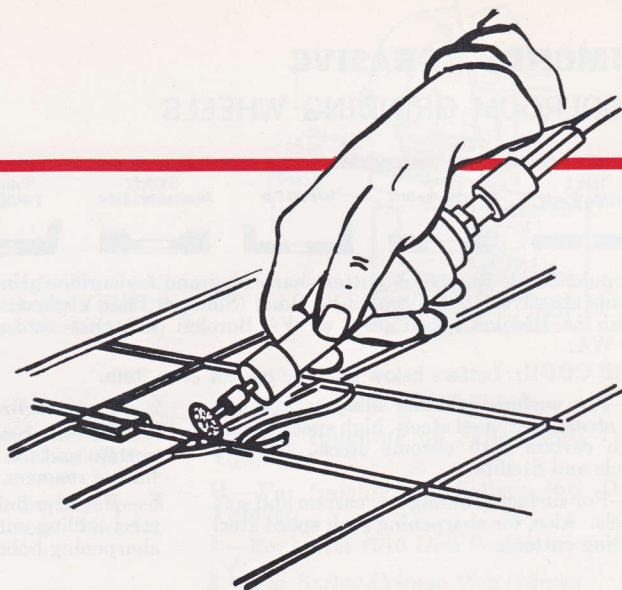
SIMONDS ABRASIVE MOUNTED WHEELS

Versatile abrasive tools that do just about everything in the field of small, off-hand and precision grinding, especially tool and die work . . . ideal for high speed hand grinders as well as machine set-ups.

Standard specifications are WA Borolon (special aluminum oxide) abrasive, vitrified bonded, readily identified by its red color. Shapes A3 and A11 also furnished in A Borolon (aluminum oxide) abrasive and C Electrodon (silicon carbide) abrasive, vitrified bonded.

Items listed are those most frequently used. All sizes and shapes in the A, B and W series can be supplied from stock. Can also be manufactured in resinoid bond.

USE CODE: **A**—For general use.
B—For cleaning castings and other large, heavy work.
C—For cast iron, non-ferrous and non-metals.



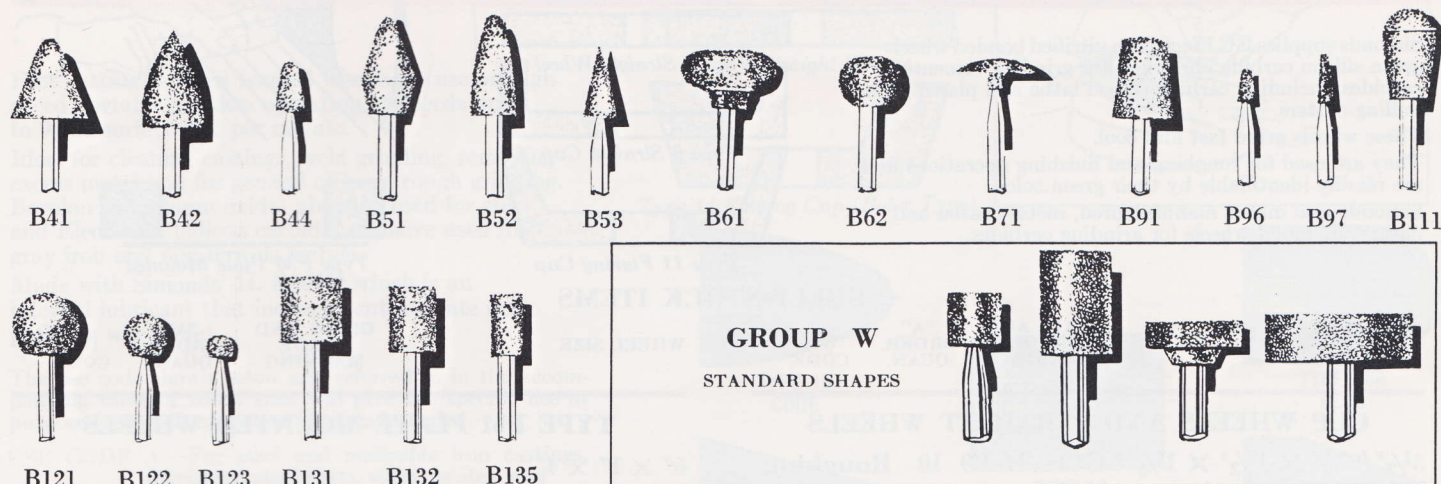
SHELF-STOCK ITEMS

GROUP A

"A"
ORDERING
QUANTITY—25
(ASSORTED SIZES)

SHAPE NO.	DIA.	SIZE THICK.	MANDREL SIZE	GRAIN AND GRADE MARKING	USE CODE	SHAPE NO.	DIA.	SIZE THICK.	MANDREL SIZE	GRAIN AND GRADE MARKING	USE CODE
A1	3/4"	2 1/2"	1 1/2" x 1/4"	WA60-O-V	A	A21	1"	1"	1 1/2" x 1/4"	WA60-O-V	A
A3	1"	2 3/4"	1 1/2" x 1/4"	WA60-O-V	A	A23	3/4"	1"	1 1/2" x 1/4"	WA60-O-V	A
A3	1"	2 3/4"	1 1/2" x 1/4"	A36-Q-V1	B	A25	1"	1"	1 1/2" x 1/4"	WA60-O-V	A
A3	1"	2 3/4"	1 1/2" x 1/4"	C36-Q-V	C	A26	5/8"	5/8"	1 1/2" x 1/4"	WA60-O-V	A
A4	1 1/4"	1 1/4"	1 1/2" x 1/4"	WA60-O-V	A	A31	1 3/8"	1"	1 1/2" x 1/4"	WA60-O-V	A
A5	3/4"	1 1/8"	1 1/2" x 1/4"	WA60-O-V	A	A32	1"	5/8"	1 1/2" x 1/4"	WA60-O-V	A
A11	1 3/16"	1 3/4"	1 1/2" x 1/4"	WA60-M-V	A	A34	1 1/2"	3/8"	1 1/2" x 1/4"	WA60-O-V	A
A11	1 3/16"	1 3/4"	1 1/2" x 1/4"	WA60-O-V	A	A36	1 5/8"	3/8"	1 1/2" x 1/4"	WA60-O-V	A
A11	1 3/16"	1 3/4"	1 1/2" x 1/4"	A36-Q-V1	B	A37	1 1/4"	1/4"	1 1/2" x 1/4"	WA60-O-V	A
A11	1 3/16"	1 3/4"	1 1/2" x 1/4"	C36-Q-V	C	A37	1 1/4"	1/4"	1 1/2" x 1/4"	WA90-O-V	A
A12	1 1/16"	1 1/4"	1 1/2" x 1/4"	WA60-O-V	A	A38	1"	1"	1 1/2" x 1/4"	WA60-O-V	A
A13	1 1/8"	1 1/8"	1 1/2" x 1/4"	WA60-O-V	A	A39	3/4"	3/4"	1 1/2" x 1/4"	WA60-O-V	A
A15	1/4"	1 1/16"	1 1/2" x 1/4"	WA90-O-V	A						

SIMONDS ABRASIVE MOUNTED WHEELS



SHELF-STOCK ITEMS

GROUP B

"A"
ORDERING
QUANTITY—25
(ASSORTED SIZES)

SHAPE NO.	DIA.	SIZE THICK.	MANDREL SIZE	GRAIN AND GRADE MARKING	USE CODE	SHAPE NO.	DIA.	SIZE THICK.	MANDREL SIZE	GRAIN AND GRADE MARKING	USE CODE
B41	5/8"	5/8"	1 1/2" x 1/8"	WA60-O-V	A	B91	1 1/2"	5/8"	1 1/2" x 1/8"	WA60-O-V	A
B42	1 1/2"	3/4"	1 1/2" x 1/8"	WA60-O-V	A	B96	1 1/2"	1/4"	1 1/2" x 1/8"	WA90-O-V	A
B44	7/32"	3/8"	1 1/2" x 1/8"	WA90-O-V	A	B97	3/32"	3/8"	1 1/2" x 1/8"	WA90-O-V	A
B51	7/16"	3/4"	1 1/2" x 1/8"	WA60-O-V	A	B111	11/16"	1/16"	1 1/2" x 1/8"	WA60-O-V	A
B52	3/8"	3/4"	1 1/2" x 1/8"	WA60-O-V	A	B121	7/16"	1/2"	1 1/2" x 1/8"	WA60-O-V	A
B53	1/4"	5/8"	1 1/2" x 1/8"	WA90-O-V	A						
B61	3/4"	5/8"	1 1/2" x 1/8"	WA60-O-V	A	B122	3/8"	3/8"	1 1/2" x 1/8"	WA60-O-V	A
B62	1 1/2"	3/8"	1 1/2" x 1/8"	WA60-O-V	A	B123	3/16"	3/16"	1 1/2" x 1/8"	WA90-O-V	A
B71	5/8"	3/32"	1 1/2" x 1/8"	WA90-O-V	A	B131	1 1/2"	1 1/2"	1 1/2" x 1/8"	WA60-O-V	A
						B132	3/8"	1 1/2"	1 1/2" x 1/8"	WA60-O-V	A
						B135	1/4"	1 1/2"	1 1/2" x 1/8"	WA60-O-V	A

SHELF-STOCK ITEMS

GROUP W

"A"
ORDERING
QUANTITY—25
(ASSORTED SIZES)

SHAPE NO.	DIA.	SIZE THICK.	MANDREL SIZE	GRAIN AND GRADE MARKING	USE CODE	SHAPE NO.	DIA.	SIZE THICK.	MANDREL SIZE	GRAIN AND GRADE MARKING	USE CODE
W144	1/8"	1/4"	1 1/2" x 1/8"	WA90-O-V	A	W179	3/8"	1 1/4"	1 1/2" x 1/4"	WA60-O-V	A
W145	1/8"	3/8"	1 1/2" x 1/8"	WA90-O-V	A	W185	1 1/2"	1 1/2"	1 1/2" x 1/8"	WA60-O-V	A
W146	1/8"	1 1/2"	1 1/2" x 1/8"	WA90-O-V	A	W186	1 1/2"	3/4"	1 1/2" x 1/8"	WA60-O-V	A
W152	3/16"	1 1/4"	1 1/2" x 1/8"	WA90-O-V	A	W188	1 1/2"	1 1/2"	1 1/2" x 1/4"	WA60-O-V	A
W154	3/16"	1 1/2"	1 1/2" x 1/8"	WA90-O-V	A	W204	3/4"	3/4"	1 1/2" x 1/4"	WA60-O-V	A
W160	1/4"	1 1/4"	1 1/2" x 1/8"	WA90-O-V	A	W205	3/4"	1"	1 1/2" x 1/4"	WA60-O-V	A
W162	1/4"	3/8"	1 1/2" x 1/8"	WA90-O-V	A	W215	1"	1/8"	1 1/2" x 1/8"	WA90-O-V	A
W163	1/4"	1 1/2"	1 1/2" x 1/8"	WA60-O-V	A						
W164	1/4"	3/4"	1 1/2" x 1/8"	WA60-O-V	A	W217	1"	3/8"	1 1/2" x 1/4"	WA60-O-V	A
W175	3/8"	3/8"	1 1/2" x 1/8"	WA60-O-V	A	W218	1"	1 1/2"	1 1/2" x 1/4"	WA60-O-V	A
W176	3/8"	1 1/2"	1 1/2" x 1/8"	WA60-O-V	A	W220	1"	1"	1 1/2" x 1/4"	WA60-O-V	A
W177	3/8"	3/4"	1 1/2" x 1/8"	WA60-O-V	A	W235	1 1/2"	1/4"	1 1/2" x 1/4"	WA60-O-V	A
W178	3/8"	1"	1 1/2" x 1/8"	WA60-O-V	A	W236	1 1/2"	1 1/2"	1 1/2" x 1/4"	WA60-O-V	A

SIMONDS ABRASIVE

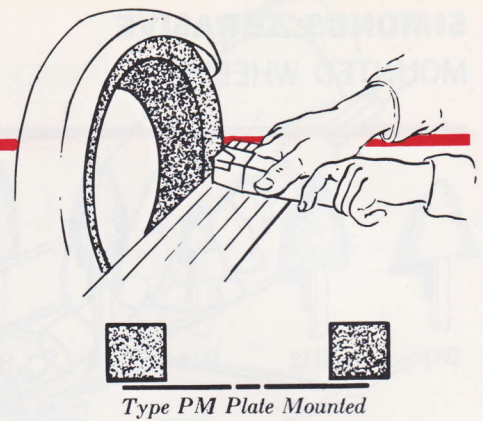
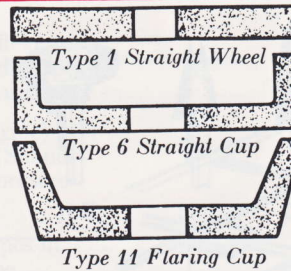
CARBIDE TOOL GRINDING WHEELS

Simonds supplies GC Electrodon vitrified bonded wheels—green silicon carbide abrasive—for grinding cemented carbides, including carbide tipped lathe and planer tools, milling cutters, etc.

These wheels grind fast and cool.

They are used for roughing and finishing operations and are readily identifiable by their green color.

Simonds also makes manufactured, metal-coated and natural diamond wheels for grinding carbides.



SHELF-STOCK ITEMS

WHEEL SIZE	GRAIN AND GRADE MARKING	"A" ORDER. QUAN.	USE CODE
CUP WHEELS AND STRAIGHT WHEELS			
3 1/2" / 2 3/4" X 1 1/2" X 1 1/4"*	GC60-H-V9	10	Roughing
1/4" Rim, 3/8" Back			
Type 11, Flaring Cup B/P 1958			
4" / 3" X 1 1/2" X 1 1/4"*	GC60-H-V9	10	Roughing
1/4" Rim, 1/2" Back			
Type 11, Flaring Cup B/P 2012			
5" X 1 1/2" X 1 1/4"*	GC60-H-V9	10	Roughing
3/8" Rim, 3/8" Back			
Type 6, Straight Cup			
6" X 1/2" X 1 1/4"*	GC60-I-V9	10	Roughing
6" X 1/2" X 1 1/4"*	GC120-I-V9	10	Finishing
6" X 3/4" X 1 1/4"*	GC60-I-V9	10	Roughing
6" X 3/4" X 1 1/4"*	GC120-I-V9	10	Finishing
6" X 1" X 1 1/4"*	GC60-I-V9	10	Roughing
6" X 1" X 1 1/4"*	GC120-I-V9	10	Finishing
7" X 1/2" X 1 1/4"*	GC60-H-V9	10	Roughing
7" X 1/2" X 1 1/4"*	GC60-I-V9	10	Roughing
7" X 1/2" X 1 1/4"*	GC120-H-V9	10	Finishing
7" X 1/2" X 1 1/4"*	GC120-I-V9	10	Finishing
7" X 1" X 1 1/4"*	GC60-I-V9	10	Roughing
7" X 1" X 1 1/4"*	GC120-I-V9	10	Finishing
8" X 1" X 1 1/4"*	GC60-I-V9	10	Roughing
8" X 1" X 1 1/4"*	GC60-K-V9	10	Roughing
8" X 1" X 1 1/4"*	GC60-L-V9	10	Roughing
8" X 1" X 1 1/4"*	GC80-I-V9	10	Semi-Finishing
10" X 1" X 1 1/4"*	GC60-I-V9	5	Roughing
10" X 1" X 1 1/4"*	GC80-I-V9	5	Semi-Finishing
10" X 1" X 1 1/4"*	GC80-J-V9	5	Semi-Finishing
10" X 1 1/2" X 2"	GC60-I-V9	4	Roughing
12" X 2" X 1 1/4"*	GC60-I-V9	4	Roughing
14" X 2" X 1 1/4"*	GC60-I-V9	3	Roughing

WHEEL SIZE	GRAIN AND GRADE MARKING	"A" ORDER. QUAN.	USE CODE
TYPE PM PLATE MOUNTED WHEELS			
6" X 1" X 4"			
Type PM, Plate Mounted			
B/P 16423 (Baldor, Delta, Hammond)			
GC60-H12-V9	4	Roughing	
GC60-I12-V9	4	Roughing	
GC80-H12-V9	4	Semi-Finishing	
GC100-H12-V9	4	Semi-Finishing	
GC120-H12-V9	4	Finishing	
GC120-I12-V9	4	Finishing	
7" X 1 1/2" X 5"	GC60-H12-V9	4	Roughing
Type PM, Plate Mounted			
B/P 16428 (Criterion, Prosser)			
7" X 1 1/2" X 5"	GC120-H12-V9	4	Finishing
Type PM, Plate Mounted			
B/P 16428 (Criterion Prosser)			
10" X 2" X 7"	GC60-H12-V9	4	Roughing
Type PM, Plate Mounted			
B/P 2671 (Ex-Cell-O, Hammond)			
10" X 2" X 7"	GC60-I12-V9	4	Roughing
Type PM, Plate Mounted			
B/P 2671 (Ex-Cell-O, Hammond)			
10" X 2" X 7"	GC120-H12-V9	4	Finishing
Type PM, Plate Mounted			
B/P 2671 (Ex-Cell-O, Hammond)			
12" X 1" X 5"	GC60-I-V9	4	Roughing
14" X 4" X 11"			
Type PM, Plate Mounted			
B/P 16421, Wirebound (Carboloy, Ex-Cell-O, Hammond, Standard Electric)			
GC60-H12-V9	1	Roughing	
GC60-J12-V9	1	Roughing	
GC120-H12-V9	1	Finishing	

DIAMOND WHEEL-TYPE 11V9-FLARING CUP

3 3/4" X 1 1/2" X 1 1/4" MD150-S100-BN 1/8 General Use
Wheel No. D1103

*1 1/4" hole takes RED CENTER reducing bushings to change hole size as specified. #Furnished in PRE-PAK cartons containing 10 wheels.

Most Popular Items Shown in Heavy Type. See Stock List and Consumer Net Prices for additional items

SIMONDS ABRASIVE

PORTABLE SNAGGING WHEELS—RESINOID BONDED

Fast cutting resinoid bonded wheels for use on high speed portable grinders operating at speeds up to 9,500 surface feet per minute.

Ideal for cleaning castings, weld grinding, removing excess metal and for general offhand rough grinding. Borolon (aluminum oxide) abrasive used for steel and Electrodon (silicon carbide) abrasive used for gray iron and non-ferrous metals.

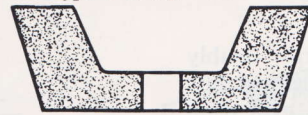
Made with Simonds' IL BOND which is an internal lubricant that increases cutting rate and prolongs wheel life!

The use code shown below and referred to in the accompanying table of wheel sizes will give the specific use or purpose for which each item listed is intended.

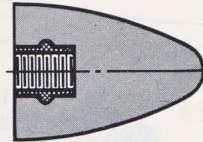
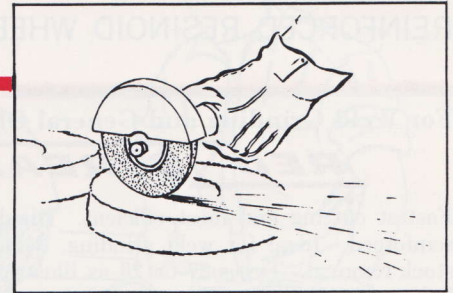
USE CODE A—For steel and malleable iron castings, fabricated steel parts, stainless steel and weld grinding. For fastest stock removal.
B—For longer wheel life.
C—For better finish.
D—For gray iron and non-ferrous castings.



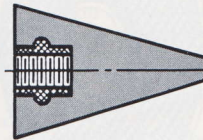
Type 1 Straight Wheels



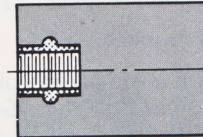
Type 11 Flaring Cup (Rotor Type)



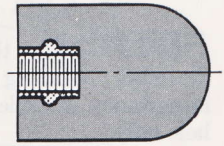
TYPE 16
CONE



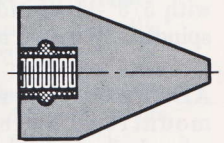
TYPE 17
CONE



TYPE 18
PLUG



TYPE 18R
PLUG



TYPE 19
CONE

SHELF-STOCK ITEMS

WHEEL SIZE	GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY	USE CODE	WHEEL SIZE	GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY	USE CODE
1½" × 2½", Type 16, Cone ⅝"—11 thread, 1" deep, B/P 21466	A16-S7-B1	10	A	6"/4¾" × 2" × ⅝"—11 thread 1" Rim, ¾" Back Type 11, Flaring Cup B/P 1853	A16-P A16-R A20-S C16-S	5 5 5 5	A B C D
1½" × 3", Type 17R, Cone ⅜"—24 thread, 1" deep, B/P 15172	A16-S7-B1	10	A				
1½" × 2½", Type 18, Plug ⅝"—11 thread, 1" deep	A16-S7-B1	10	A	6"/4¾" × 2" × ⅝"— 11 thread	A16-P	5	A
1½" × 2", Type 18R, Plug ⅝"—11 thread, 1" deep, B/P 18652	A16-S7-B1	10	A	1½" Rim, ¾" Back Type 11, Flaring Cup B/P 14183	A16-R A20-R A20-S C16-S	5 5 5 5	B C B D
2" × ¼" × 4", Type 19, Cone ⅝"—11 thread, 1" deep, B/P 19046	A16-S7-B1	10	A				
4" × 1" × ⅝"	A20-P	15	A	6"/4¾" × 2" × ⅝"—11 thread 1½" Rim, ¾" Back Type 11, Flaring Cup Metal Cup Back Bushing B/P 23842	A16-R A20-R	5 5	A C
4"/3" × 2" × ⅝"— 11 thread	A20-P	10	A				
1" Rim, ¾" Back Type 11, Flaring Cup B/P 15768	C16-R	10	D				
5"/4" × 2" × ⅝"—11 thread	A16-R	10	B	6"/4¾" × 2" × ⅞"	A16-P	5	A
1" Rim, ¾" Back Type 11, Flaring Cup B/P 15763	A20-P	10	A	1½" Rim, ¾" Back Type 11, Flaring Cup B/P 14334			
6" × ½" × ⅝"	A16-P A16-S	10 10	A B	8" × ½" × ⅝"	A16-R	10	A
6" × 1" × ⅝"	A16-P A16-R A24-P C16-R C16-S	10 10 10 10 10	A B C D D	8" × 1" × ⅝"	A16-P A16-R A24-R C16-R C16-S	10 10 10 10 10	A B C D D

Most Popular Items Shown in Heavy Type. See Stock List and Consumer Net Prices for additional items

SIMONDS ABRASIVE

REINFORCED RESINOID WHEELS

For Weld Grinding and General Offhand Use

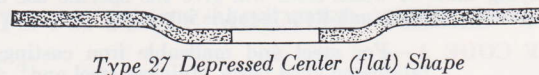
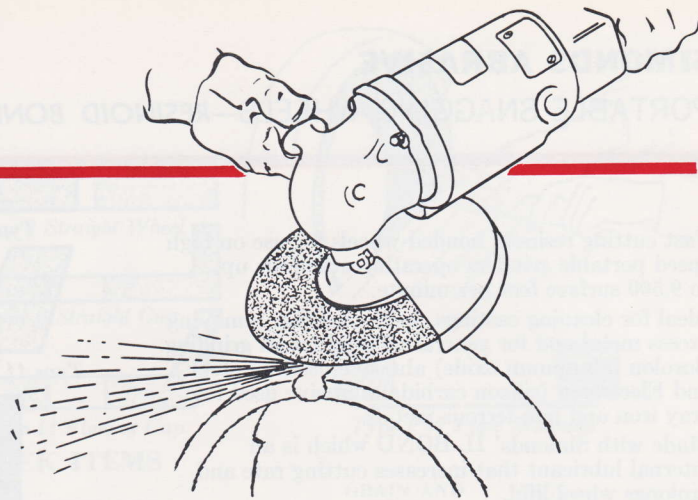
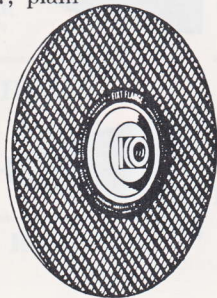
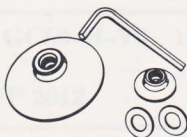
RED STREAK®

Fastest cutting and most efficient. Rigid type, doubly reinforced. Ideal for weld grinding, deburring and fast stock removal. Types 27 or 28 as illustrated, with plain hole or FIXT-FLANGE as listed below.

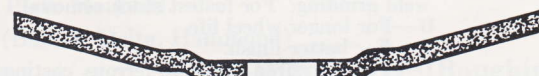
FIBREX® For the lighter jobs where finish, slight flexibility, blending or grinding a radius are of primary importance. Excellent for stainless steel. Type 27, plain hole only.

FIXT-FLANGE A built-in metal backup plate with 5/8"-11 thread hole. Screws on and off the spindle and tossed away with stub.

ADAPTOR Required for mounting plain hole wheels on right angle grinders. Available 5/8"-11 thread, 13/16"-12 thread, 1/2"-13 thread, 3/8"-16 thread.



Type 27 Depressed Center (flat) Shape



Type 28 Saucer Shape

SHELF-STOCK ITEMS RED STREAK AND FIBREX WHEELS Reinforced Resinoid

(All items furnished in PRE-PAK carton containing 25 wheels)

	DIAMETER		THICKNESS		HOLE		GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY
RED STREAK	7"	×	1/8"	×	7/8" or FF*	Type 27	A24-T-BFXX	10
	7"	×	1/4"	×	7/8" or FF*	Type 27	A24-P-BFXX	10
							A24-R-BFXX	10
							A24-T-BFXX	10
							A24-U-BFXX	10
	7"	×	1/4"	×	7/8" or FF*	Type 28	A24-U-BFXX	10
	9"	×	1/8"	×	7/8" or FF*	Type 27	A24-T-BFXX	10
	9"	×	1/4"	×	7/8" or FF*	Type 27	A24-P-BFXX	10
							A24-R-BFXX	10
							A24-T-BFXX	10
							A24-U-BFXX	10
	9"	×	1/4"	×	7/8" or FF*	Type 28	A24-U-BFXX	10
*FF—FIXT-FLANGE, 5/8"-11 threaded hole.								
FIBREX	7"	×	1/8"	×	7/8"	Type 27	A24-T-BF	5
							A36-T-BF	5
	7"	×	1/4"	×	7/8"	Type 27	A16-T-BF	5
							A24-T-BF	5
							A36-T-BF	5
	9"	×	1/8"	×	7/8"	Type 27	A24-T-BF	5
	9"	×	1/4"	×	7/8"	Type 27	A16-T-BF	5
							A24-T-BF	5

Most Popular Items Shown in Heavy Type. See Stock List and Consumer Net Prices for additional items

SIMONDS ABRASIVE

CUT-OFF WHEELS

Simonds supplies different kinds of abrasive cut-off wheels; resinoid bonded, rubber bonded, and Double XX reinforced resinoid bonded—each of which is best adapted for certain uses as described. Abrasive cutting-off is one of the fastest and most economical methods known for cutting practically ALL materials, metals and non-metals, except wood.

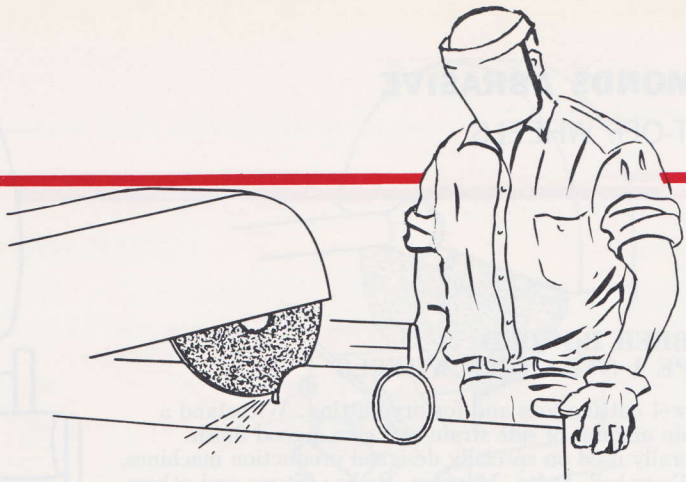
RESINOID BONDED TYPE 1 STRAIGHT WHEELS

Most commonly used for cutting-off, grooving or notching operations where work can be rigidly held in place. Fastest and most efficient cutting action.

The use code shown below and referred to in the accompanying table of wheel sizes, will give the specific use or purpose for which each item listed is intended.

USE CODE: **A**—For general cutting-off in machine shops and toolrooms.
B—Faster cutting (Softer acting).
C—Finer finish.
D—For light power driven equipment for cutting non-metals, including ALL building materials except wood.

E—For production cut-off machines for miscellaneous steel and cast iron. Quality cut (small burr permissible).
F—Faster cutting (softer acting).
G—Finer finish (very small or no burr permissible).
H—Maximum wheel life (burr not objectionable).



Type 1 Straight Wheel

CUT-OFF REDUCING BUSHING

Thin, plastic reducing bushing to fit 1 1/4" center hole to quickly reduce to 1", 7/8", 3/4", 5/8" or 1/2" hole. Does not affect truth, concentricity or balance. Permits use of same wheel on different arbors. Furnished free if ordered with wheel.

SHELF-STOCK ITEMS

RESINOID BONDED CUT-OFF WHEELS

(Most frequently used grain and grade specifications shown in HEAVY TYPE)

DIA. THICK	HOLE(S)†	GRAIN AND GRADE MARKING	"A" ORD. QUAN.	USE CODE	DIA. THICK	HOLE(S)†	GRAIN AND GRADE MARKING	"A" ORD. QUAN.	USE CODE
6" 1/32"	1 1/4"	A70-M7-B1	10	B	10" 3/32"	1 1/4"*	A46-R8-B1	8	E
6" 1/32"	(1/2", 5/8", 1 1/4")	A70-R8-B1	10	A	10" 3/32"	1 1/4"*	A70-R8-B1	8	G
6" 1/16"	(1/2", 5/8", 1 1/4")	A46E-07-B1	10	B	10" 3/32"	1 1/4"*	C24-R5-B3	8	D
6" 1/16"	(1/2", 5/8", 1 1/4")	A46-R8-B1	10	A	10" 1/8"	1 1/4"*	A30-S7-B1	8	H
6" 1/16"	(1/2", 5/8", 1 1/4")	A70-R8-B1	10	C	10" 1/8"	1 1/4"*	A36-T8-B1	8	H
6" 1/8"	1 1/4"*	A46E-07-B1	10	B	10" 1/8"	1 1/4"*	A46E-07-B1	8	F
6" 1/8"	1 1/4"*	A46-R8-B1	10	A	10" 1/8"	1 1/4"*	A46-R8-B1	8	E
6" 1/8"	1 1/4"*	A70-R8-B1	10	C	12" 3/32"	1 1/4"*	A30-R7-B1	8	H
7" 1/32"	1 1/4"	A70-R8-B1	10	A	12" 3/32"	1 1/4"*	A30-S7-B1	8	H
7" 1/16"	1 1/4"	A46E-07-B1	10	B	12" 3/32"	1 1/4"*	A36-T8-B1	8	H
7" 1/16"	1 1/4"	A46-R8-B1	10	A	12" 3/32"	1 1/4"*	A46E-07-B1	8	F
7" 1/16"	1 1/4"	A70-R8-B1	10	C	12" 3/32"	1 1/4"*	A46-R8-B1	8	E
7" 1/8"	1 1/4"*	A46E-07-B1	10	B	12" 1/8"	1 1/4"*	A30-S7-B1	8	H
7" 1/8"	1 1/4"*	A46-R8-B1	10	A	12" 1/8"	1 1/4"*	A46E-07-B1	8	F
7" 1/8"	1 1/4"*	A70-R8-B1	16	C	12" 1/8"	1 1/4"*	C24-R5-B3	8	D
8" 1/16"	(5/8", 3/4")	A46E-07-B1	10	B	14" 1/8"	1 1/4"*	A30-S7-B1	5	H
8" 1/16"	(5/8", 3/4")	A70-R8-B1	10	C	14" 1/8"	1 1/4"*	A46-R8-B1	5	E
8" 3/32"	1 1/4"*	A46E-07-B1	10	B	14" 1/8"	1 1/4"*	C24-R5-B3	5	D
8" 1/8"	1 1/4"*	A46E-07-B1	10	B	16" 3/32"	1"	A46-R8-B1	5	E
8" 1/8"	1 1/4"*	A46-R8-B1	10	A	16" 3/32"	1"	A70-R8-B1	5	G
10" 1/16"	(5/8", 3/4")	A46E-07-B1	8	F	16" 1/8"	1"	A30-S7-B1	5	H
10" 1/16"	(5/8", 3/4")	A46-R8-B1	8	E	16" 1/8"	1"	A36-T8-B1	5	H
10" 1/16"	5/8"	A70-R8-B1	8	G	16" 1/8"	1"	A36-T10-B1	5	H
10" 3/32"	1 1/4"*	A30-S7-B1	8	H	16" 1/8"	1"	A46-R8-B1	5	E
10" 3/32"	1 1/4"*	A36-S7-B1	8	H	18" 1/8"	1"	A30-R8-B1	4	H
10" 3/32"	1 1/4"*	A36-T8-B1	8	H	18" 1/8"	1"	A46-R8-B1	4	E
					20" 1/8"	1"	A30-R10-B1	4	H
					20" 1/8"	1"	A46-R8-B1	4	H

*1 1/4" hole takes CUT-OFF reducing bushing for smaller hole size as ordered.

†Each hole size is a separate item in qualifying for the various ordering quantity brackets.

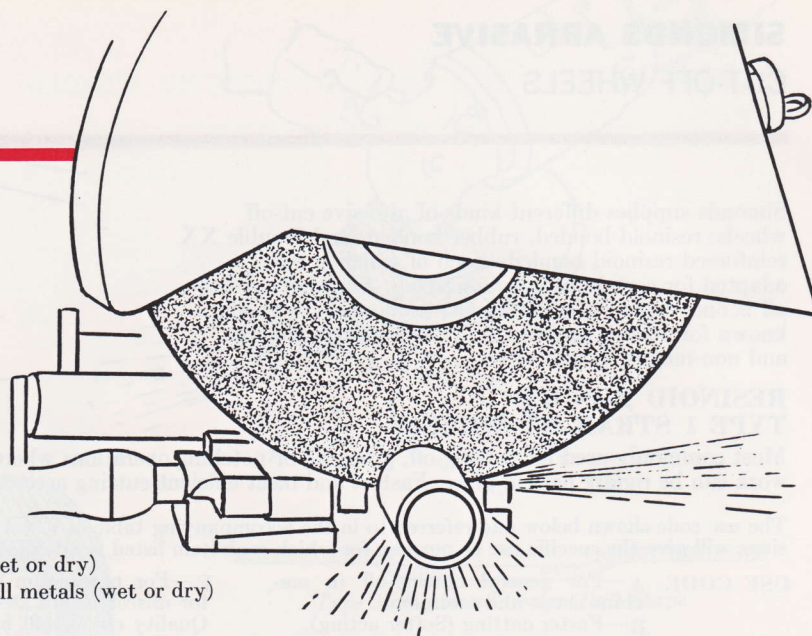
Most Popular Items Shown in Heavy Type. See Stock List and Consumer Net Prices for additional items

SIMONDS ABRASIVE

CUT-OFF WHEELS

RUBBER BONDED TYPE 1 STRAIGHT WHEELS

For wet cutting jobs and for dry cutting. Withstand a certain amount of side strain and give a good finish. Generally used on specially designed production machines, e.g., Campbell, Delta, Mercury, Radiac, Stone and others. Furnished with drive pin holes (D.) or (D.P.H.) as required.



Type 1 Straight Wheel

- USE CODE:** **A**—For light wall pipe and tubing—all metals (wet or dry)
B—For solids and heavy wall pipe and tubing—all metals (wet or dry)
C—For longer life than "B" (wet)
D—For ferrous and non-ferrous castings (dry).

SHELF-STOCK ITEMS

RUBBER BONDED CUT-OFF WHEELS

DIA.	THICK.	HOLE	GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY	USE CODE
10"	1/16"	5/8"	A46-Q-RC	8	B
10"	1/16"	5/8"	A90-Q-RC	8	A
10"	3/32"	5/8"	A46-Q-RC	8	B
10"	3/32"	5/8"	A90-Q-RC	8	A
16"	3/32"	1"	A46-Q-RC	5	B
16"	3/32"	1" (D.)*	A46-S-RC	5	C
16"	3/32"	1"	A90-Q-RC	5	A
16"	1/8"	1"	A24-R-RC	5	D
16"	1/8"	1"	A46-S-RC	5	C
18"	1/8"	1"	A24-R-RC	4	D
18"	1/8"	1"	A46-S-RC	4	C
20"	1/8"	1"	A24-R-RC	4	D
20"	1/8"	1" (D.)*	A46-S-RC	4	C

*Furnished with three (3) drive pin holes around the center hole.

Most Popular Items Shown in Heavy Type. See Stock List and Consumer Net Prices for additional items

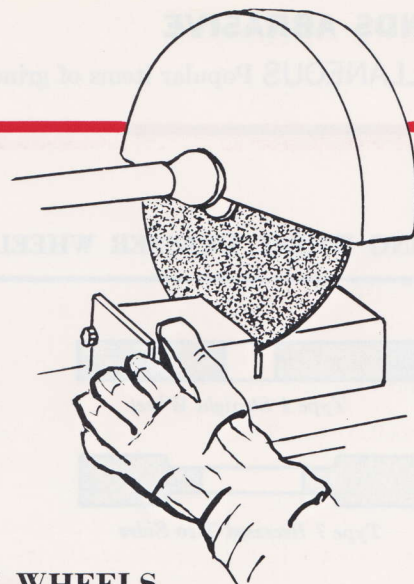
SIMONDS ABRASIVE

CUT-OFF WHEELS

DOUBLE XX REINFORCED RESINOID TYPE 1 STRAIGHT WHEELS

Glass fiber reinforced on both sides. For extra strength, less breakage. Used for cutting all building materials—masonry, brick, tile, concrete, steel. Popular for portable electric and masonry saws.

USE CODE: **A**—For all building materials (except wood).
B—For steel.



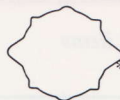
Type 1 Straight Wheels

SHELF-STOCK ITEMS



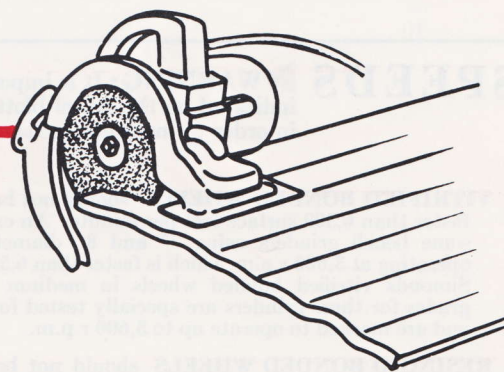
REINFORCED RESINOID CUT-OFF WHEELS

DIA.	THICK.	HOLE	GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY	USE CODE
6"	1/8"	5/8"	C24-R-BFXX	10	A
6"	1/8"	Universal Hole*	A46-O-BFXX	10	B
6"	1/8"	Universal Hole*	C24-R-BFXX	10	A
7"	1/8"	5/8"	C24-R-BFXX	10	A
7"	1/8"	Universal Hole*	A46-O-BFXX	10	B
7"	1/8"	Universal Hole*	C24-R-BFXX	10	A
8"	1/8"	5/8"	A46-O-BFXX	10	B
8"	1/8"	5/8"	C24-R-BFXX	10	A
8"	1/8"	Universal Hole*	A46-O-BFXX	10	B
8"	1/8"	Universal Hole*	C24-R-BFXX	10	A
8"	1/8"	1 3/8" **	C24-R-BFXX	10	A
10"	1/8"	5/8"	A24-R-BFXX	10	B
14"	1/8"	1"	C24-R-BFXX	5	A
16"	1/8"	1"	A30-R-BFXX	5	B



*Universal hole fits Skilsaw, Thor and 3/16" square Mall. Furnished with 1/2" and 5/8" center hole reducing bushings, and metal split-ring adapter for late model Skil—no charge.

**Black & Decker hole size.



FIBREX REINFORCED RESINOID TYPE 1 STRAIGHT WHEELS

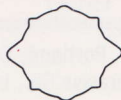
Used on portable electric saws and light power driven equipment. For cutting-off miscellaneous materials, both metals and non-metals.

Type 1 Straight Wheels

SHELF-STOCK ITEMS

FIBREX CUT-OFF WHEELS

DIA.	THICK.	HOLE	GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY
6"	1/8"	Universal Hole*	A24-T-BF	10
7"	1/8"	Universal Hole*	A24-T-BF	10
8"	1/8"	Universal Hole*	A24-T-BF	10



*Universal hole fits Skilsaw, Thor and 3/16" square Mall. Furnished with 1/2" and 5/8" center hole reducing bushings, and metal split-ring adapter for late model Skil—no charge.

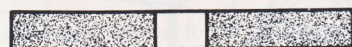
Most Popular Items Shown in Heavy Type. See Stock List and Consumer Net Prices for additional items

SIMONDS ABRASIVE

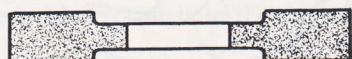
MISCELLANEOUS Popular items of grinding wheel dressers and rubbing bricks used throughout industry.

SHELF-STOCK ITEMS

GRINDING WHEEL DRESSER WHEELS



Type 1 Straight Wheel



Type 7 Recessed Two Sides

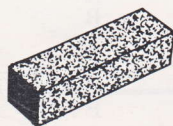
DIA.	THICK.	HOLE	GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY
1 1/2"	5/8"	5/16"	C24-R-V64	30
Type 1, Straight, K.O. Lee				
2 1/2"	5/8"	1/2"	C20-R-V64	30
Type 1, Straight, K.O. Lee				
3"	1"	5/8"	C16-R-V64	30
Type 1, Straight, K.O. Lee				
3 1/2"	1 1/2"	7/8"	C30-R-V64	10
Type 7, Recessed 2 Sides B/P 1490 Metcalf				
4"	1 1/2"	1 1/2"	C30-R-V64	10
Crackerjack				

GRINDING WHEEL DRESSER STICK



SIZE	GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY
1" x 1" x 6" long	C24-R-V64	30

RUBBING BRICKS FOR CONCRETE WORK



SIZE	GRAIN AND GRADE MARKING	"A" ORDERING QUANTITY
1" x 2" x 8" long	C20-R-V64	20
Plain		
1 1/2" x 3 1/2" x 8" long	C16-Q-V64	20
Fluted, Handle Attached		
2" x 2" x 8" long	C20-R-V64	20
Plain		
2" x 2" x 8" long	C20-R-V64	20
Fluted		

Most Popular Items Shown in Heavy Type. See Stock List and Consumer Net Prices for additional items

SPEEDS

WARNING: It is important for safety reasons that no grinding wheel be operated at a speed greater than is indicated on the wheel blotter or stencilled on the wheel. Since r.p.m. will vary with different wheel diameters, in order to maintain the same surface feet per minute (s.f.p.m.), the following table will be helpful:

VITRIFIED BONDED WHEELS should not be operated faster than 6,500 surface feet per minute. An exception is some bench grinders using 7" and 8" diameter wheels operating at 3,600 r.p.m. which is faster than 6,500 s.f.p.m. Simonds vitrified bonded wheels in medium and hard grades for these grinders are specially tested for such use and are marked to operate up to 3,600 r.p.m.

RESINOID BONDED WHEELS should not be operated faster than 9,500 surface feet per minute (except cut-off wheels with adequate protection devices at specified speeds not to be exceeded).

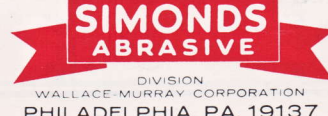
ALWAYS USE A GUARD. In case of doubt concerning grinding wheel speeds, always consult Section 8 of United States Standard Safety Code for "The Use, Care and Protection of Abrasive Wheels". Copy available on request.

CONVERSION TABLE

R.P.M. TO S.F.P.M.
For Various Sizes of Grinding Wheels

DIAMETER	S.F.P.M.—Surface Feet Per Minute				
	5000	5500	6000	6500	9500*
R.P.M.—Revolutions Per Minute					
4	4775	5252	5729	6207	9072*
5	3820	4202	4584	4966	7258*
6	3183	3501	3820	4138	6048*
7	2728	3001	3274	3547	5183*
8	2387	2626	2865	3103	4535*
10	1910	2101	2292	2483	3629*
12	1591	1751	1910	2069	3023*
14	1364	1500	1637	1773	2592*

*Resinoid bonded only.



Midwest Plant: Salem, Ill.—West Coast Plant: El Monte, Calif.—Branches: Chicago • Detroit • Los Angeles • Philadelphia • Portland, Ore.
• So. San Francisco • Shreveport—In Canada: Grinding Wheel Division, Simonds Canada Saw Co., Ltd. • Simonds Canada Abrasive Co., Ltd.